

10/036159

SYNTHETIC THERMOPLASTIC COMPOSITION, ARTICLES MADE THEREFROM AND METHOD OF MANUFACTURE

CROSS REFERENCE TO RELATED APPLICATION

5 This application is a continuation-in-part of application Serial Number
09/322,211 filed May 23, 1999 for Synthetic Thermoplastic Compositions, Articles
Made Therefrom And Method of Manufacture.

BACKGROUND OF THE INVENTION

1. Field of the Invention

10 The present invention relates generally to improvements in synthetic
thermoplastic compositions, articles made from such synthetic thermoplastic
compositions and methods of making thermoplastic articles.

2. Description of Related Art

15 Plastics are moldable chemically-fabricated (synthetic) materials derived mostly
from fossil fuels, such as oil, coal or natural gas. The long molecules in plastics are
composed of carbon atoms linked into chains. One type of plastic, polyethylene, is
composed of extremely long molecules, each containing over 200,000 carbon atoms.
These long molecule chains give plastics unique properties and distinguish plastics
from materials such as metals that have crystalline structures. Fossil fuels contain
20 hydrocarbons, which provide the building blocks for long polymer molecules. The
building blocks called monomers link together to form long carbon chains called

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